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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10541168
Filing Date	2005-06-29
First Named Inventor	Christifer A. Brumm
Art Unit	
Examiner Name	
Attorney Docket Number	17303-62826

**U.S. PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
<i>RP</i>	1	6571937		2003-06-03	Costanzo et al.	
<i>RP</i>	2	6588578		2003-07-08	Ernst	
<i>RP</i>	3	6648128		2003-11-18	Yamashita et al.	
<i>RP</i>	4	6991092		2006-01-31	Chojnacki	

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**U.S. PATENT APPLICATION PUBLICATIONS**

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
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Application Number	10541168
Filing Date	2005-08-29
First Named Inventor	Christifer A. Brumm
Art Unit	
Examiner Name	
Attorney Docket Number	17303-62826

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**EXAMINER SIGNATURE**

Examiner Signature	<i>Raza G. Raza</i>	Date Considered	5/13/2007
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JC20 Rec'd PCT/PTO 29 JUN 2005

#352051 WEMMH/SB/08A (4/03)

OMB 0651-0031

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Substitute for form 1449A/PTO

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STATEMENT BY APPLICANT**

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Sheet 1 of 3

Application Number

Complete if Known  
10/541168

Filing Date

June 29, 2005

First Named Inventor

Christopher A. Brumm

Group Art Unit

Examiner Name

Attorney Docket Number

3161-315

**U.S. PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
RP		US-1,299,198 A	04-01-1919	Low et al.	
		US-3,115,917 A	12-31-1963	Hertwig	
		US-3,669,246	06-13-1972	Risi	
		US-3,677,394	07-18-1972	Bloom	
		US-3,698,539	10-17-1972	Schwarzbeck	
		US-3,934,709	01-27-1976	Anikanov et al.	
		US-3,987,887	10-26-1976	Gentili	
		US-4,003,463	01-18-1977	Holt et al.	
		US-4,046,043	09-06-1977	Kistner et al.	
		US-4,195,960	04-01-1980	Schulze	
		US-4,236,855	12-02-1980	Wagner et al.	
		US-4,305,577	12-15-1981	Clay et al.	
		US-4,334,608	06-15-1982	Fabrig	
		US-4,372,201	02-08-1983	Dudziak et al.	
		US-4,405,122	09-20-1983	Faltin	
		US-4,437,658	03-20-1984	Olson	
		US-4,531,343	07-30-1985	Wood	
		US-4,545,715	10-08-1985	Seefeldt	
		US-4,572,350	02-25-1986	Besemann	
		US-4,610,593	09-09-1986	Voss et al.	
		US-4,717,013	01-05-1988	Reissmann et al.	
		US-4,750,853	06-14-1988	Van Soest et al.	
		US-4,753,339	06-28-1988	Vogt et al.	
		US-4,842,125	06-27-1989	Besemann	
		US-4,872,247	10-10-1989	Nakamura et al.	
		US-5,004,094	04-02-1991	Brandt	
		US-5,074,538	12-24-1991	Naumann	
		US-5,088,590	02-18-1992	Marschke	

Examiner  
Signature

Rago G R

Date  
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5/13/2007

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#352051 WEMMH/SB/08A (4/03)

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Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/541168
		Filing Date	June 29, 2005
		First Named Inventor	Christopher A. Brumm
		Group Art Unit	
		Examiner Name	
Sheet 2 of 3	Attorney Docket Number	3161-315	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
RP		US-5,123,522	06-23-1992	Comly, Jr.	
		US-5,123,639	06-23-1992	Edwards	
		US-5,238,100	08-24-1993	Rose, Jr., et al.	
		US-5,420,621	05-30-1995	Richtsmeier et al.	
		US-5,425,533	06-20-1995	Dronsfield	
		US-5,534,902	07-09-1996	Hoesly	
		US-5,615,873	04-01-1997	Kobayashi et al.	
		US-Re. 35,844	07-14-1998	Crowley	
		US-6,042,102	03-28-2000	Raschke et al.	
		US-6,045,322	04-04-2000	Bressey	
		US-6,074,055	08-13-2000	Myung	
		US-6,113,344	09-05-2000	Crowley	
		US-6,148,991	11-21-2000	Meishner et al.	
		US-6,416,047 B1	07-09-2002	Pfankuch	
		US-6,416,176 B1	07-09-2002	Yasui et al.	
		US-6,516,940 B1	02-11-2003	Hart et al.	
		US-6,527,501 B2	03-04-2003	Wolf	
		US-6,582,140 B2	06-24-2003	Kimura et al.	
		US-2001/0033764 A1	10-25-2001	Kimura et al.	
		US-2002/0033570 A1	03-21-2002	Crowley	
		US-2002/0084578 A1	07-04-2002	Deuschle et al.	
		US-2002/0130014 A1	09-19-2002	Antoniazzi et al.	
		US-2002/0139090 A1	10-03-2002	Antoniazzi et al.	
		US-2003/0160384 A1	08-28-2003	Wolf	

Examiner Signature	<i>Roger G. Pa...</i>	Date Considered	5/13/2007
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JC20 Rec'd PCT/PTO 29 JUN 2005

#352051 WPM/USP/88A (403)

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Substitute for form 1449A/PTO		Complete Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/341168
		Filing Date	June 29, 2005
		First Named Inventor	Christopher A. Brumm
		Group Art Unit	
		Examiner Name	
Sheet 3 of 3	Attorney Docket Number	3161-315	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
RP		DE-2119633	11-02-1972	Moeller & Neumann GmbH		X
		DE-2264161	09-13-1973	Shuttleworth Machinery Corp.		X
		DE-2702724	09-01-1977	Schelling & Co.		
		EP-0149694	07-31-1985	LSW Maschinenfabrik GmbH		X
		EP-0336258 A2	10-11-1989	Conveyor Units Limited		
		GB-2241931 A	09-18-1991	Samsung Electron Devices Co., Ltd.		
		JP-6115195 A2	04-26-1992	Seiko Epson Company		X
		EP-0565456	10-13-1993	Interroll SA		X
		DE-19534499 A1	04-04-1996	Mannesmann AG		X
		JP-10330005 A2	12-15-1998	Funai Electric Co., Ltd.		X
		JP-2000335802 A2	12-05-2000	Sharp Corp.		X

Examiner Signature	<i>Raz G R</i>	Date Considered	5/13/2007
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